

09/719,355

CLIPPEDIMAGE= JP362265375A  
PAT-NO: JP362265375A  
DOCUMENT-IDENTIFIER: JP 62265375 A  
TITLE: DRY LITHOGRAPHIC INK COMPOSITION  
PUBN-DATE: November 18, 1987  
INVENTOR-INFORMATION:  
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NAME COUNTRY  
TORAY IND INC N/A  
APPL-NO: JP61108937  
APPL-DATE: May 13, 1986  
INT-CL (IPC): C09D011/10; C09D011/10 ; C09D011/10  
US-CL-CURRENT: 523/160

ABSTRACT:

PURPOSE: To provide the title compsn. having excellent printability, flow characteristics and resistance to scumming, containing a specified org. solvent and a rosin-modified phenolic resin or a petroleum resin as a binder resin component.

CONSTITUTION: A resol type phenolic resin obtd. by reacting a phenol with formaldehyde in the presence of an alkaline catalyst is reacted with rosin (e.g., wood rosin), a polyhydric alcohol (e.g., glycerol), a mono- or dibasic acid (e.g., adipic acid) and optionally, vegetable oil (e.g., linseed oil) to obtain a rosin- modified phenolic resin (B) having a weight-average MW of not lower than 50,000 (in terms of PS). 1~20wt% org. solvent (A) having a b.p. of 180~350°C and a solubility parameter of 8.5~10.0 (e.g., Cellosolve acetate) is blended with a binder resin component composed of the component B or a petroleum resin (C) obtd. by using, as a starting material, a fraction having a b.p. of 20~300°C obtd. by cracking or reforming petroleum and optionally, other resin component, a vehicle component, other additives for ink, etc.

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	L #	Hits	Search Text	DBs	Time Stamp
1	L2	28483	rosin	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:20
2	L3	224466	\$phenol	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:21
3	L4	138562	\$formaldehyde	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:22
4	L5	209186	polyhydric adj alcohol or glycerin or pentaerythritol or (ethylene or diethylene) adj glycol or trimethylolethane or trimethylolpropane	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:23
5	L6	4565	resol near5 phenol	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:23
6	L1	36	phenol near5 modified near5 rosin adj ester	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:24
7	L7	49	react\$3 near10 rosin near10 phenol near10 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:21
8	L8	96	2 same 3 same 4 same 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:45
9	L9	524	2 same (3 or phenol\$2 near3 resol\$2 or resol\$2) same (5 or polyol)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 14:58

	L #	Hits	Search Text	DBs	Time Stamp
10	L10	5568	(3 or phenol\$2 near3 resol\$2 or resol\$2) same formaldehyde same ((basic or alkaline) near5 catalyst or alkylamine or amine or ethylenediamine or triethanolamine or diethanolamine)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:14
11	L11	24	9 and 10	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:01
12	L12	229	9 and ((basic or alkaline) near5 catalyst or alkylamine or amine or ethylenediamine or triethanolamine or diethanolamine)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:04
13	L13	47744	(phenol or phenol\$2 or \$phenol) same ((basic or alkaline) near5 catalyst or alkylamine or amine or ethylenediamine or triethanolamine or diethanolamine)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:06
14	L14	122	9 and 13	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:11
15	L15	66	phenolic adj rosin	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:13
16	L17	143	phenol\$2 near3 rosin adj ester	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:15
17	L18	21	17 and 2 and 3 and 4 and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:16
18	L19	13	17.ti.	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM_TDB	2002/01/23 15:17

	L #	Hits	Search Text	DBs	Time Stamp
19	L20	7	(( "2007983" ) or ( "1920265" ) ).PN.	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB.	2002/01/23 15:19